Dart Aerospace Ltd. Wednesday, 07/05/2008 1:57:06 PM Date OK 🎍 🤾 Jean-Luc Menard User: **Process Sheet Drawing Name** : ADAPTER : CU-DAR001 Dart Helicopters Services Customer Job Number : 39108 : 13305 Estimate Number Part Number : D37731 P.O. Number : D3773 PROTO S.O. No. : **Drawing Number** : 07/05/2008 This Issue : N/A Project Number : NC Prsht Rev. : PROTO 08.04.23 **MACHINED PARTS Drawing Revision** : 07/05/2008 First Issue Material Previous Run **Due Date** : 14/05/2008 Qty: Written By Checked & Approved By الک لعق New Issue 08-05-07 JLM Verified By:DD : Est Rev:Á Comment Additional Product FOR ENGINEERING USE ONLY Job Number: Description: Machine Or Operation: Seq. #: M304B1.5"X1.5" 1.0 M304B1500X1500 Comment: Qty.: 0.2363 f(s)/Unit Total: 1.1813 f(s) M304B1.5"X1.5" BATCH: BAND SAW BAND SAW 2.0 Comment: BAND SAW Cut blank 2.700" long HAAS CNC VERTICAL MACHINING #1 HAAS1 3.0 Comment: HAAS CNC VERTICAL MACHINING #1 HAAS CNC VERTICAL MACHINING #1 1- Mill as per Folio FA740 Rev: AA & Dwg D3773 Rev: A 2-Deburr per dwg D3773 INSPECT PARTS AS THEY COME OFF MACHINE 4.0 QC2

**APPROVAL** 

of usad

Comment: INSPECT PARTS AS THEY COME OFF MACHINE

5.0

QC8

Comment: SECOND CHECK

Wednesday, 07/05/2008 1:57:06 PM Date: e , User: . Jean-Luc Menard **Process Sheet** Drawing Name: ADAPTER Gustomer: CU-DAR001 Dart Helicopters Services Part Number: D37731 Job Number: 39108 Job Number: Description: Seq. #: Machine Or Operation: PACKAGING RESOURCE #1 PACKAGING 1 6.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: KULS 7.0 · QC21 Comment: FINAL INSPECTION/W/O RELEASE 00196A Job Completion

Ø1.010<sup>+0.010</sup><sub>-0.000</sub>  $\emptyset$  0.323 1.20 1.25 R0.40 2 PL Ø1.010<sup>+0.010</sup><sub>-0.000</sub> Ø0.196 1.25 1.20 R0.40 2 PL D3773-1 ADAPTER

**PROTOTYPE** 

PLEASE RETURN ALL ISSUED DATA TO ENGINEERING

DESIGN DART AEROSPACE LTD HS DRAWN HS HAWKESBURY, ONTARIO, CANADA DRAWING NO. CHECKED REV. A D3773 MFG. APPR. SHEET 2 OF 3 TITLE **APPROVED** SCALE **HEADREST ADAPTER** DE APPR. DATE

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NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATION TO ANY OTHER PERSON WITHOUT

WRITTEN PERMISSION FROM DART AEROSPACE LTD. 08.03.26

NOTES:
1) MATERIAL: AISI 304/316 SS BAR (REF DART SPEC M304B1.20X1.20)
2) FINISH: NONE
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: N/A
7) WEIGHT: 0.40 lbs

3

3

2

DART AEROSPACE LTD	Work Order:   39 08	
Description: adapter	Part Number: D37-13-1	
		·
Inspection Dwg: D3773 Rev: A	Page 1 of	1

## FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø 323	1-005	.325				
Ø1,010	+.010	1.015	/			
1,20	030	1.201	/			
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1.25	± .030	1.25				
\$101	4-010	1.014				
1.25	± .090	1.25				
Ø.196	+ -005	.196				
5-40	+-030	-40				
1-20	+-030	1.198				
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Measured by:	Audited by:	Prototype Approval:	PS
Date: 08/05/14	Date: 06/01/14	Date:	08.20.60

Rev	Date	Change	Revised by	Approved
Α		New Issue	KJ/JLM	

**Receiving Report** 

	Packing Slip: Invoice: Receipt:	yes No Cash Cr	R W S Q	Dart elease Note A /aybill Attache hipment Com C6 Inspection /ork Order	Attached: Yed: You	es Ne es Ne es Ne es Ne	$\circ \overline{\mathcal{D}}$	
	Discrepancies Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments	
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		•	Initials	of receiver	(if shipment	OK) Level	12/	
	Production/Ad Date	08/05/09				Locati	on	
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		Sub-Total					83	15.
		Sub-Total G.S.T.					1 1	15. 40.

000005602

Abnahmeprüfzeugnis/Mill Test Certficate/Certif. de Qualidade EN 10204:2004 / 3.1

Unsere innere Verweisung /Our Int. Ref/ N/ ref int

Böllinghaus Portugal Aços Especiais, SA DIN EN ISO 9001:2000 TÜV CERT No. 01 100 030458

5600008179 000160

Datum / Date / Data 04.03.2008

Normen / Standards / Normas

ISI 304/ 304L, ASTM A484/A484M-06-b, specifications acc. to: ASTM A276-06, ASTM A479/A479M-06-a, SA479-E01

1131 3047 304L, A3 1147	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	· • • • • • • • • • • • • • • • • • • •												
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- Kı	inde /	Custor	ner / Cliente			-	E	ndegülti	ger	Kunde	/ Final	Custon	ner / Clien	te Final	
Kunde / Customer / Cliente  ASA Alloys Inc B1 Steinway Blvd M9W 6H6 Etobicoke ON						Endegültiger Kunde / Final Customer / Cliente Final  ASA Alloys Inc 81 Steinway Blvd M9W 6H6 Etobicoke ON									
Bestell Nr./Order Nr./			269-CV			Bes	stell Nr.	/ Order N	r <i>J</i> E	nc.Nr.	06		-CV.05		
Prufaege	nstan	d / Pro	duct / Produto			Gewicht / Weight / Peso Bunde / Bundle / Atados								dos	
AISI 304/ 304L SC			•					4,396						02	
Werkstoff-Nr. Material-no. Qualidade	1.43	07			X 2	Ctl	Vi 18-	9			ard gra	ade / No	orma do m	aterial	
Stainless steelsquare JS DFAR 252,225-70 Schmetzen Nr.	bars, h	ot rolled LT SOU	, heat treatened, st	lom / MF(	ed, pickle G: Portu	ed. igal.					Analis	se quim	nica em %		
Cast nr. / Fusão nr.		1				i e i i			T	<u> </u>		T		Ni:	8.130
138224	C:	0.021	Si: 0.370	Mn:	1.930	P: 0.037		+		.028		18.200		0.130	
EAF	Mo:	0.500	Co: 0.060	Cu:	0.310		N:	0.098		ri: 0. STM /	.005				
Proben Nr. Test no. Amostra no.	STM E399  Gerbschlegarbeit  Impact Test  Resiliência  {Charpy V}	Streckg Yield j Tensão Rp 0,	point limite	Detangrenze 1% point Limite de extensão Rp 1,0%		Zugfestigkeit Tensile strength Tensão de rotura Rm		keit ength	Dehnung Elongation Alongamento A (A50-50mm)		Einschnürung Reduction of area Coef, Estrição Z {A50-50mm}				
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3013323.01.01				50.	0		56	.6		93.1	<u> </u>		50.5		70.3
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8013323.01.03				48.	9 .	L	55	.3	92.2		51.3		71.0		
8013323.01.04			ASTM	48. E370	2	A.S	54 STM /	7 1262-93	a F	91.8 Practice	e E W	'ärmebeh			71./
Visuelle Kontrolle 🗵 Hårte Visual inspection Ok Hardness Inspecção visual Ok Dureza				190 [ H	B]	Korrosionabeständigkeit 🗵 - IC Test Corrosão Intercristalina OK			₹]  Tr	Heat treatment Tratamento térmico  Annealed Quenched 1050 °C					
Maßkontrolle Dimensional inspection Inspecção dimensional  Ok  Korngrösse Grain size Tamanho de grão			Grain size	6	ung	Werksachverständiger Annealed Quenched Quality Control Representative Inspector da Qualidade									
Verwechslungsprüfur Test of identity Teste de identificaçã	phic test	⊠ Ok	José Santos  Böllinghaus Portugal - Aços Especiais, SA						, SA						
1			L			4	_		4 2742	-4 -4	diagos	Material	die Spezifil	kation zut	rifft,

Bemerkungen / Remarks / Observações

Micrographic test: approved.

Material is free of mercury contamination, no weld repair done.

Es wird bestätigt, dass dieses Material die Spezi

welche de erwähnten Standards übereinstimmen.

We confirm that this material meets the specification according the mentioned according the mentioned standards.

Confirmamos que este material respeita as especificações de acordo com as normas referidas.